

8 ways

AI is used in the Pharmaceutical Industry



PERSONALIZED MEDICINE

AI technology uses patient medical information and history to optimize the selection of treatment options.



DRUG MANUFACTURING

By analyzing data, AI systems can help reduce drug production time and help find ways to repurpose drugs for different treatments.



CLINICAL TRIAL RESEARCH

AI helps identify candidates for clinical trials using a much wider range of data.



EPIDEMIC OUTBREAK PREDICTION

AI tools can monitor emerging diseases and provide outbreak reports in real-time allowing for faster reaction time for treatment and quarantining of sick patients.



DRUG DISCOVERY

Algorithms help better understand disease processes and allow for more effective treatment of diseases like Type 2 diabetes.



DISEASE IDENTIFICATION/ DIAGNOSIS

Companies are using AI to research and develop diagnostics and therapeutic treatments.



RADIOLOGY AND RADIOTHERAPY

Algorithms can detect differences between healthy vs. cancerous tissues improving radiation treatments and increasing accuracy in radiotherapy planning.



SMART ELECTRONIC HEALTH RECORDS

Intelligent electronic health records assist in diagnostics, clinical decisions, and personalized treatment suggestions.